

Amended text after IPEA-report, to be used as base for
national filing

10. A device according to claim 9, characterised in that the metal alloy is
stainless steel or an aluminium alloy.

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Abstract

10 The present invention concerns a flexible, tubular device e.g. a bellows with
an internal diameter up to 60 millimeters, said device comprising one or more
corrugated convolutions (2), said convolutions having an overall bell-like
shape with rounded top portions (T) and rounded bottom portions (B,B'). The
novel aspects involve that the curvature of the outside surface of the
15 convolutions (2) is numerically smaller at the top portions (T) than at the
bottom portions (B,B'), said curvature being derived from a curve (6) defined
as the intersection of the outside surface (4) of the device and a plane
through the longitudinal axis (8) of the device, as well as they involve that the
curvature of said curve changes sign only once at a change position (P,P')
20 located between a top portion (T) and an adjacent bottom portion (B,B'), and
that the length of a first section(7) on the curve (6) is at least 10% longer than
the length of a second section(9) on the curve, said first section(7) extending
from one change position (P) to an adjacent change position (P') via a top
portion (T), and said second section (9) extending from one change position
25 (P) to an adjacent change position (P') via a bottom portion (B,B'). This
provides an improved design with increased durability due to increased
flexibility at lower stresses, compared to the prior art.

(Fig. 2)

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